



Dell Inspiron 1564 CPU Fan Replacement

This tear down guide will get you to remove your components properly all the way to the CPU fan.

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INTRODUCTION

This guide will teach you how to remove components all the way down to the CPU fan.



TOOLS:

- [iFixit Opening Tools](#) (1)
 - [64 Bit Driver Kit](#) (1)
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Step 1 — Fan



Removing Battery

- *Locating and Removing Battery*
 - Locate battery latch on the bottom of the computer and slide to the right.
 - While holding battery latch pull battery away from device.

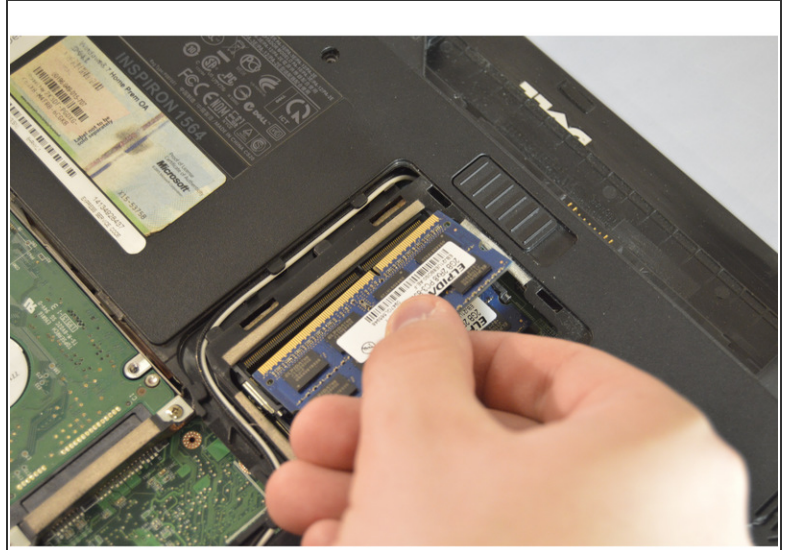
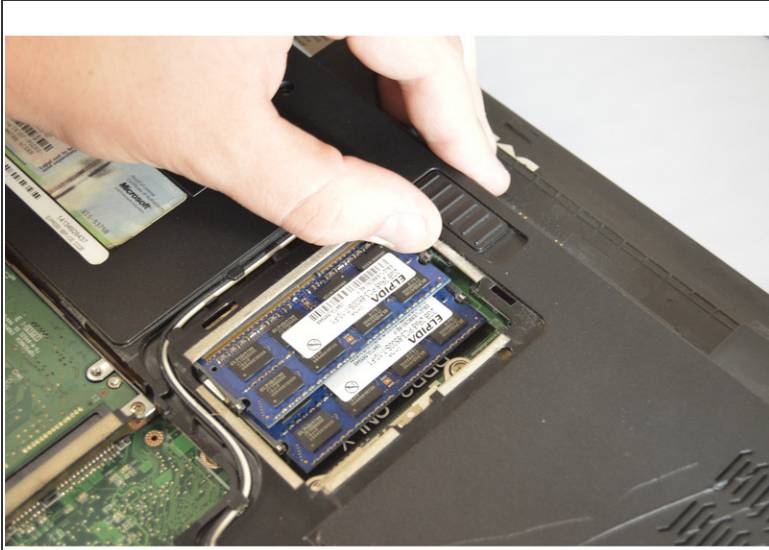
Step 2



Part 1: Removing Components

- With J0 screwdriver bit loosen all screws from the backing above the battery latch.
- Remove the covering.
- Locate the four screws holding in the hard drive and unscrew them.

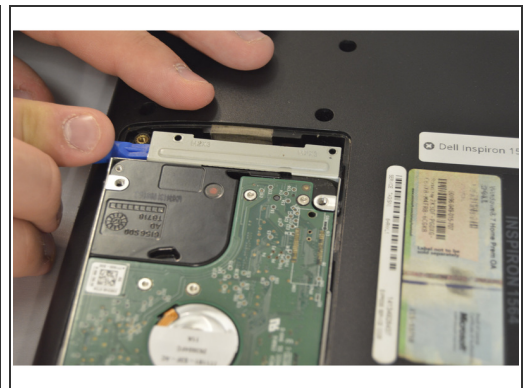
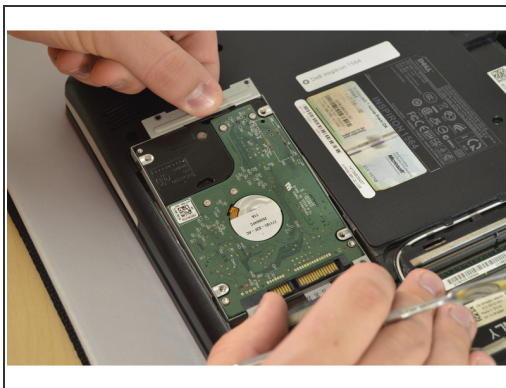
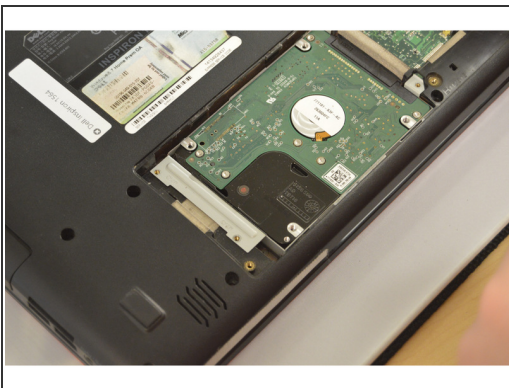
Step 3



Part 2: Removing Hard Drive and RAM

- Remove the RAM by gently pulling back the small clips along the side of each stick of RAM, and gently lifting the RAM upwards so the RAM is now angled.
- Pull the RAM away from the device.
- Repeat steps for second stick of RAM

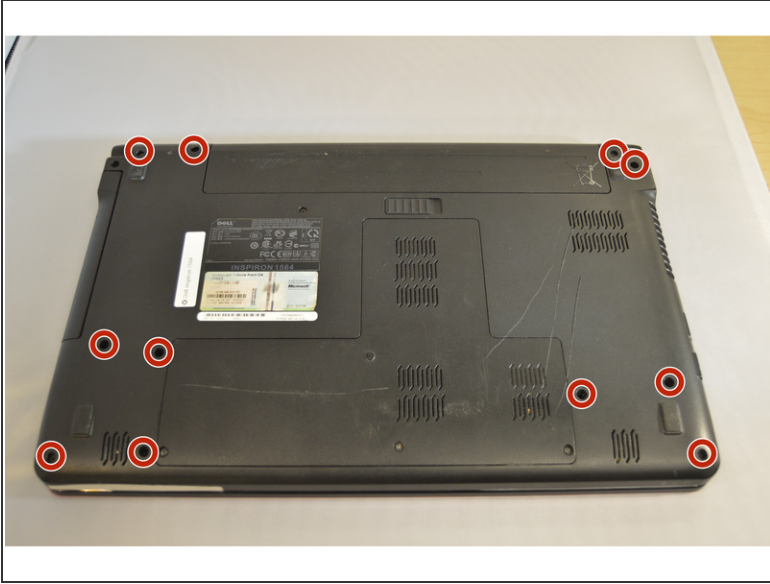
Step 4



Part 3: Removing Components

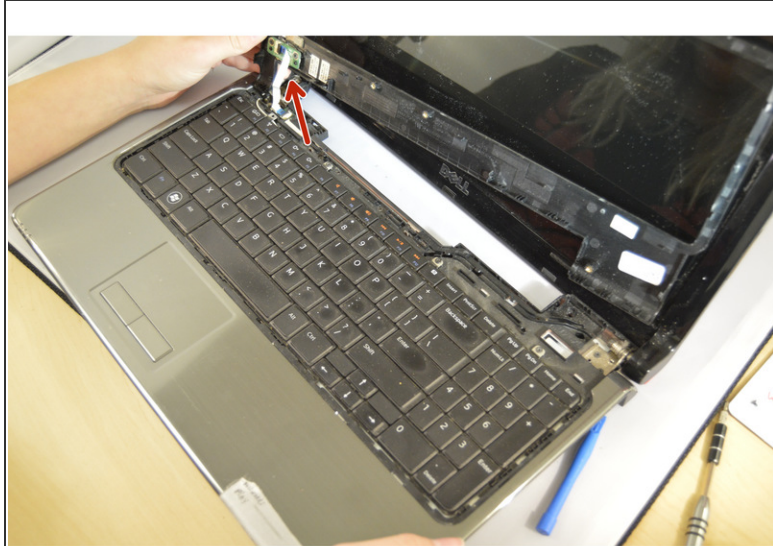
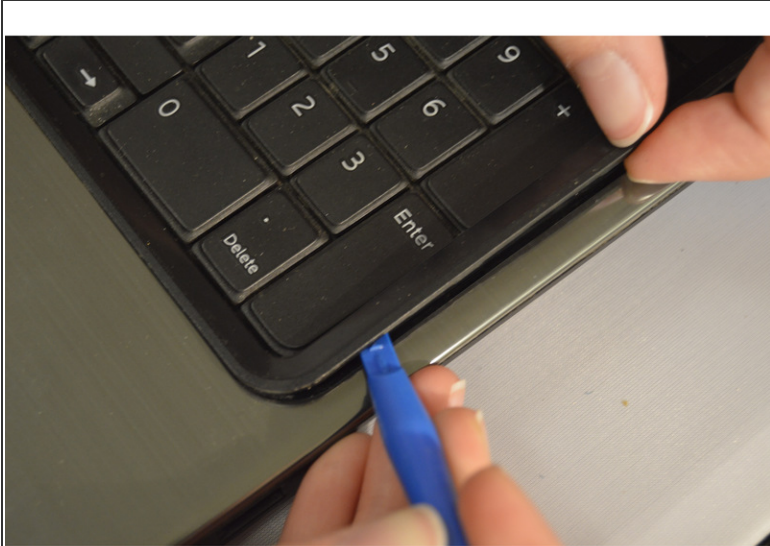
- Slide the hard drive towards the left side of the computer to unplug it.
- Pry the Hard Drive upwards and pull away from device.

Step 5




- With J0 screwdriver remove eleven 7mm screws on the bottom of the computer.
- Pry CD Drive away from device gently.

Step 6

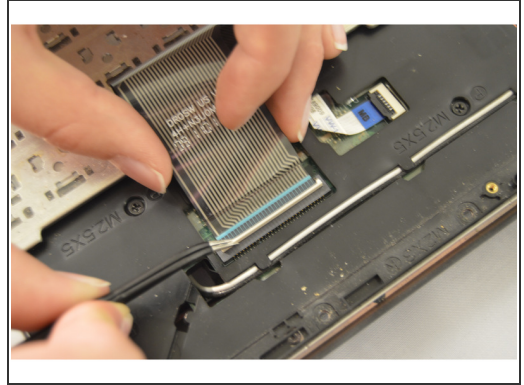
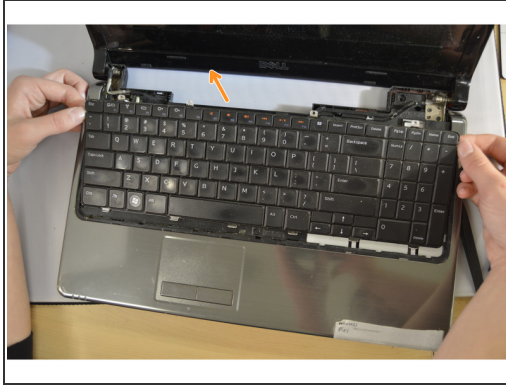


Removing Covers

- Using blue plastic opening tool and starting in the spacing between the screen and above the keyboard pry the black ring around the keyboard.

 Be careful to not pull on the ribbon cable that connects the keyboard to the computer.

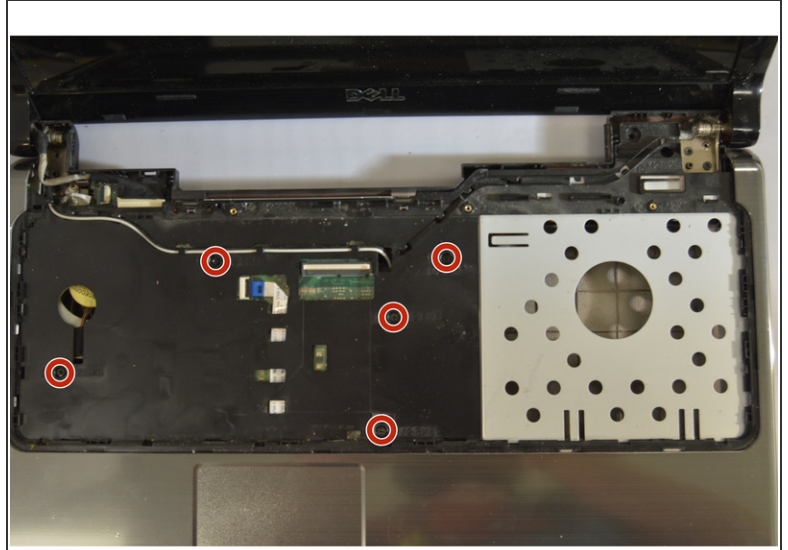
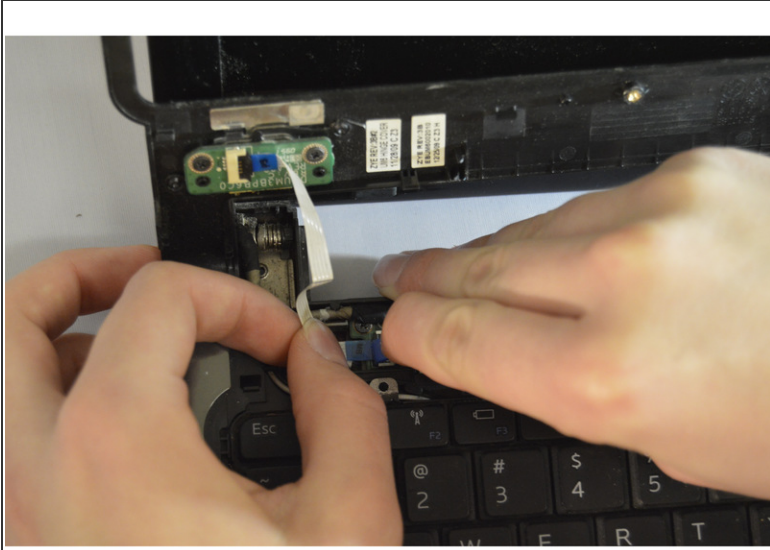
Step 7



Removing Keyboard

- Remove the four screws on the top of the keyboard.
- Press down on the tabs on each side of the keyboard to free it.
- Remove the keyboard by pulling the board towards the screen and up.
 - ⚠ There is a wire connected to the bottom of the keyboard, and if you pull the keyboard up too fast it will break.
- Flip the latch on the computer connecting the ribbon cable to the keyboard.

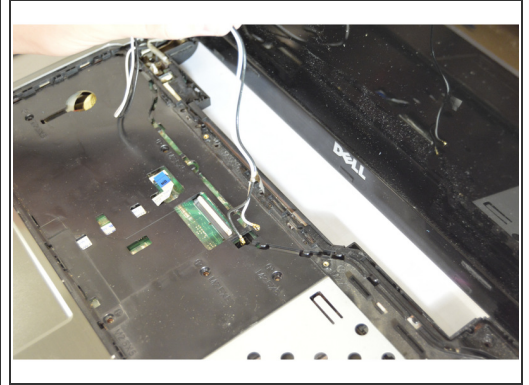
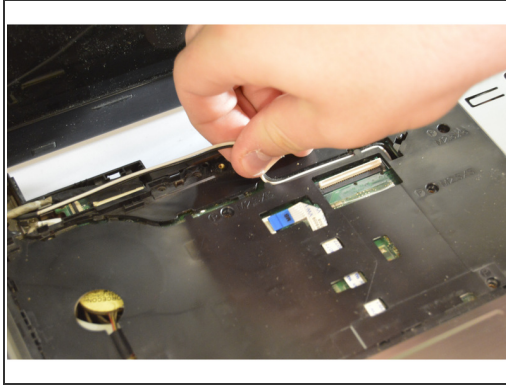
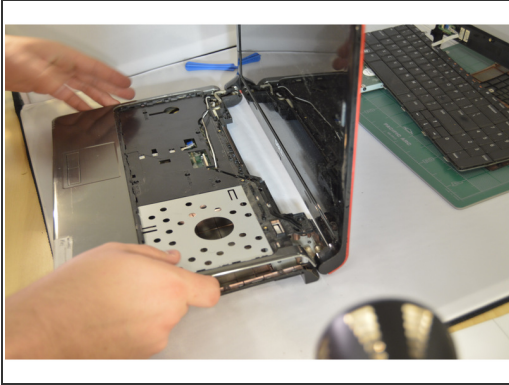
Step 8




More Keyboard

- Slide out the keyboard ribbon cable.
- Remove the five screws that were underneath the keyboard.

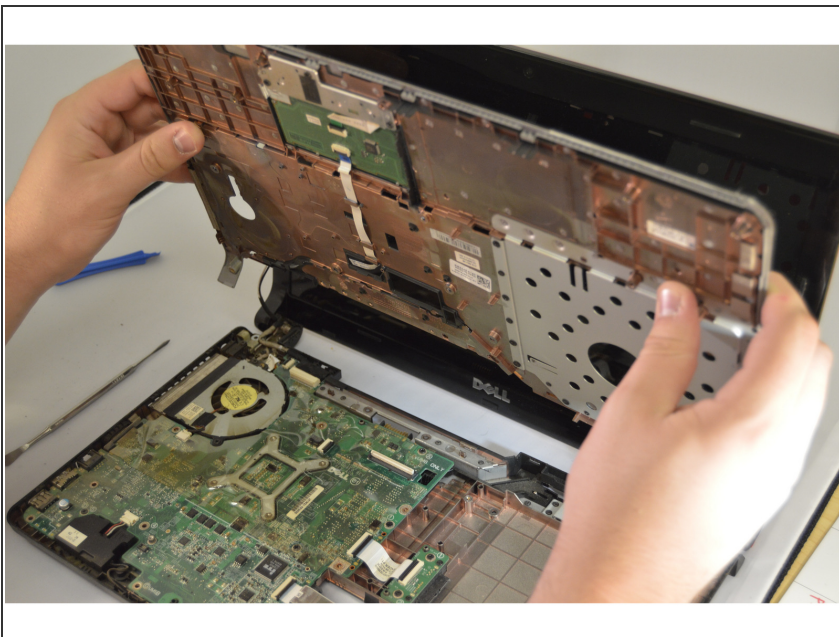
Step 9



Remove Casing

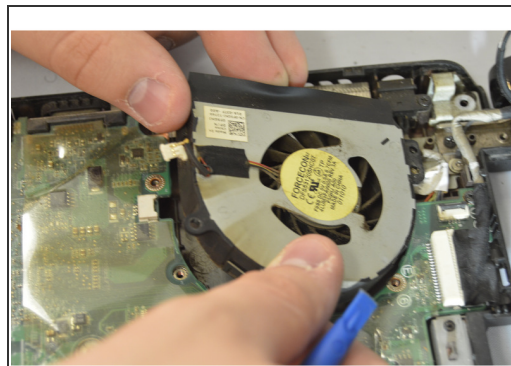
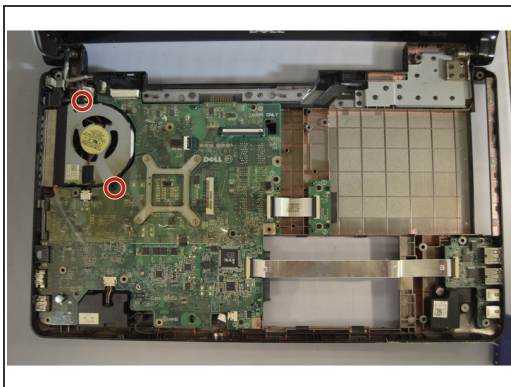
- Loosen and pry sides away from each other.
 -  Be careful to not rip black and white wire.
- Turn device upside down.
- Lift black and white wire connections away from the device.
- Slide wires through the hole to the top of the keyboard.

Step 10



- Remove casing.

Step 11



Removing Fan

- Using J0 screwdriver bit, remove two 7mm screws holding fan in place.
- With tweezers, gently pull cable connecting fan to board.
- Gently tilt fan upwards and remove.

To reassemble your device, follow these instructions in reverse order.

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